2004 Drinking Water Quality Report

RRA - NORTHEAST CHILDRESS WATER SYSTEM

Red River Authority of Texas
900 8th Street, Suite 520
Wichita Falls, Texas 76301
(940) 723-8697

OUR DRINKING WATER MEETS OR EXCEEDS ALL FEDERAL (EPA) DRINKING WATER REQUIREMENTS

This report is a summary of the quality of the water we provide our customers. The analysis was made by using the data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in the attached pages. We hope this information helps you become more knowledgeable about what's in your drinking water.

Special Notice for the ELDERLY, INFANTS, CANCER PATIENTS, people with HIV/AIDS or other immune problems:

Some people may be more vulnerable to contaminates in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791.

En Espanol

Este reporte incluye informacion importante sobre el aqua para tomar. Si tiene preguntas o' discusiones sobre este reporte en espanol, favor de llamar al tel. (940) 723-8697 par hablar con una persona bilingue en espanol.

WHERE DO WE GET OUR DRINKING WATER?

The **RRA-Northeast Childress Water System** utilizes surface water from Greenbelt Lake as its sole source supply. Treated surface water is purchased from the Greenbelt Municipal and Industrial Water Authority (GMIWA), who owns and operates Greenbelt Lake. After treating the raw water from Greenbelt Lake through its treatment facilities, GMIWA transports the water to its customer entities located along a pipeline stretching from just north of Clarendon, Texas southeast to Crowell, Texas. The Texas Commission on Environmental Quality (TCEQ) has completed a Source Water Susceptibility Assessment for all drinking water systems that own their source(s). This report describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts for our system contact Henry C. Wied at (940) 723-8697.

ALL DRINKING WATER MAY CONTAIN CONTAMINANTS

When drinking water meets federal standards there may not be any health based benefits to purchasing bottled water or point of use devices. Drinking water, including bottled water**,** may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800) 426-4791.

PUBLIC PARTICIPATION Opportunities

The Authority's Board of Directors regularly meets on the third Wednesday of January, April, July, and September of each year. Specific times and locations of these and/or any special meetings can be obtained by contacting the Authority at (940) 723-8697.

For more information about the water quality of your water system, public participation programs, water conservation programs, and/or general operations policies, call (940) 723-8697 or e-mail the Authority at: info@rra.dst.tx.us. For service requests or reporting leaks after normal business hours, contact your District Manager, Mr. Tim Altman at (940) 937-3251 or Mr. Larry Hines at (940) 663-5122.

SYSTEM INFORMATION

The Red River Authority of Texas owns and operates 29 registered public water supply systems through its Utility Division. The Utility Division maintains over 2,150 miles of transmission lines, two surface water treatment plants, 65 pumping facilities and serves approximately 10,000 customers residing in a 15 county area of the Red River Basin. The Utility Division is subdivided into geographical districts for proper management, maintenance, and financial accounting of individual systems.

The **RRA-Northeast Childress Water System** is one of the water systems operated by the Utility Division's District 14. In 2004, the system served 115 active connections with an average water use of 240 gallons per day per connection. The primary use of the water was rural domestic. No major capital improvement items were scheduled for 2004.

The Authority maintains a Water Conservation and Drought Contingency Plan for the Utility Division. Information on the plan is available on the Authority's web page at www.rra.dst.tx.us or can be obtained by calling (940) 723-8697.

DEFINITIONS:

Maximum Contaminant Level (MCL) –
The highest level of a contaminant in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) –
The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

Treatment Technique (TT) –
A required process intended to reduce the level of a contaminant in drinking water.

Action Level (AL) –
The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

NTU – Nephelometric Turbidity Units
MFL – million fibers per liter
pCi/l – picocuries per liter (a measure of radioactivity)
ppm – parts per million, or milligrams per liter (mg/l)
ppb – parts per billion, or micrograms per liter (ug/l)
ppt – parts per trillion, or nanograms per liter
ppq – parts per quadrillion, or picograms per liter

SECONDARY CONSTITUENTS

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water, can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concerns. Therefore, secondaries are not required to be reported in this document, but they may greatly affect the appearance and taste of your water.

ABOUT THE FOLLOWING TABLES

U.S. EPA requires water systems to test up to 97 constituents. The attached table contains all of the federally regulated or monitored constituents which have been found in your drinking water.

Inorganic Contaminants

Year (Range)	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2002-2002	Barium	0.191	0.191	0.191	2	2	ppm	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
2004-2004	Fluoride	0.900	0.9	0.9	4	4	ppm	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
2003-2003	Gross alpha adjusted	1.300	1.3	1.3	15	0	pCi/l	Erosion of natural deposits.
2003-2003	Gross beta emitters	4.700	4.7	4.7	50	0	pCi/l	Erosion of natural and manmade deposits.

Unregulated Contaminants

Year (Range)	Contaminant	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Contaminant
2003-2003	Chloroform	22.000	22	22	ppb	Byproduct of drinking water disinfection.
2003-2003	Bromoform	1.400	1.4	1.4	ppb	Byproduct of drinking water disinfection.
2003-2003	Bromodichloromethane	23.000	23	23	ppb	Byproduct of drinking water disinfection.
2003-2003	Dibromochloromethane	15.000	15	15	ppb	Byproduct of drinking water disinfection.

Maximum Residual Disinfectant Level

Year (Range)	Disinfectant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Disinfectant
2004	Chloramine	1.275	0.24	1.9	4	4	ppm	Disinfectant used to control microbes.

Turbidity

Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

Year	Contaminant	Highest Single Measurement	Lowest Monthly % of Samples Meeting Limits	Turbidity Limits	Unit of Measure	Source of Contaminant
2004	Turbidity	0.38	100	0.3	NTU	Soil Runoff

Total Organic Carbon (TOC)

Year	Contaminant	Average	Minimum	Maximum	Source of Contaminant
2004-2004	TOC	Information not provided by seller			TOCs are naturally occurring and there are no health effects directly associated with it.

Organic Contaminants - NOT TESTED OR REPORTED, OR NONE DETECTED

Disinfection Byproducts - NOT TESTED OR REPORTED, OR NONE DETECTED

Total Coliform - NOT DETECTED

Fecal Coliform - NOT DETECTED

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RETURN SERVICE REQUESTED

Lead and Copper

Year (Range)	Contaminant	The 90th Percentile	Number of Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Contaminant
2000-2000	Lead	2.5000	0	15	ppb	Corrosion of household plumbing systems; Erosion of natural deposits.
2000-2000	Copper	0.3750	0	1.3	ppm	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.